pair of wires,

- [(i)] (1) defining a UTP communication path
- [(ii)] (2) arranged for video-signal transportation,

wherein the system is configured to

- (i) multiplex
  - (1) analog video-signals,
    - a. \ originating at one of the video-signal sources,
  - (2) with digital control-signals;
    - a. from one of the [control] communication control

components

- (ii) transmit
  - (1) the multiplexed signals
  - (2) along the UTP communication path,
  - (3) to at least one of the video display devices, and
- (iii) use
  - (1) the control-signals
  - (2) to control reproduction of <u>color</u> video images
    - a. at greater than 20 frames per second,
    - **b.** based on the video-signals,
    - **[b.]**  $\underline{\mathbf{c}}$  on  $\underline{\mathbf{at}}$  least one of the video display devices.
- 2. The video communication system of claim 1, further comprising
  - (a) at least one analog audio-signal source; and
  - (b) at least one audio reproduction device,

wherein the system is configured to

(i) multiplex



- (1) the analog video-signals
- (2) with the digital control-signals, and
- (3) with analog audio signals
  - a. originating at one of the audio-signal sources;
- (ii) transmit
  - (1) these multiplexed signals
  - (2) along the U/TP communication path; and
- (iii) reproduce audio
  - (1) based on the audio-signals
  - (2) at one of the audio reproduction devices.
- 3. The system of claim 2, further comprising:
  - (a) at least one switch
  - (i) in communication with the UTP communication path, wherein the system is configured to
    - (i) control the switch
    - (ii) to route
      - (1) / the multiplexed signals
      - (2) / along the UTP communication path.
- **4.** (Once Amended) The system of claim 3, wherein the computer network further [comprising] includes:
  - (a) at least one server
    - (i) configured to
      - (1) control the switch.



-3-75

- 5. (Once Amended) The system of claim 2, [further comprising] wherein
  - (a) [at least two] each of video display device[s]
    - (i) [each] has [ving] an associated processor
    - (ii) to [each] define a workstation, and

wherein the system is configured to

- (iii) [to] control the reproduction of video images and spoken audio
  - (1) of a first workstation user
  - (2) at the workstation of a second workstation user.

(Once Amended) The system of claim [6] 5, wherein the system is configured

- (a) to combine video images
  - (i) of at least a first and a second user
  - (ii) into a mosaic image, and
- (b) to reproduce the mosaic image
  - (i) on one of the video display devices.

(Once Amended) The system of claim [6] 5, wherein the system is configured:

- (a) to allow a first user
  - (i) to use a first graphical user interface
  - (ii) to select a user
  - (iii) from a plurality of users; and
- (b) to allow the first user
  - (i) to use a second graphical user interface

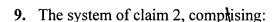






- (ii) to select a collaboration type
- (iii) from a group of collaboration types; and
- (c) to respond
  - (i) by establishing communication
  - (ii) of the selected collaboration type
  - (iii) between the first user and
  - (iv) the selected user.

the selected user



- (a) at least one processor
- (i) capable of providing data conferencing signals; wherein the system is configured to
  - (ii) display information,
    - (1) based on the data conferencing signals,
    - (2) on one of the display devices.

10. The system of claim 9, wherein

- (a) images
  - (i) based on the video signals
  - (ii) can/be displayed
  - (iii) in a first window on the display device, and
- (**b**) informatiφn
  - (i) based on the data conferencing signals
  - (ii) can be displayed

381392 v1/PA 86@801!.DOC -5-

COLB-001/22US

- (iii) in a second window/on the display device.
- 11. The system of claim 9, wherein
  - (a) the information
    - (i) based on the data conferencing signals
    - (ii) is displayed
    - (iii) / interactively
    - (iy) on at least two of the display devices.

12. (Once Amended) A method of conducting a teleconference using a system including

[at least one] a plurality of video display devices, and

at least one vide signal source

the method comprising the steps of:

- (a) generating analog video-signals,
  - (i) at one of the video-signal sources;
- (b) producing digital control-signals;
- (c) multiplexing
  - (i) the analog video-signals
  - (ii) with the control-signals
  - (iii) onto a computer network;
    - including at least one unshielded twisted pair of wires,
    - [(1)] (i) defining a UTP communication path:
      - (i) defining a UTP communication path;
- (d) transmitting the multiplexed signals



A

- (i) along the VTP communication path; and
- (e) using the control-signals to



- (i) control the reproduction of <u>color</u> video images,
  - (1) at greater than 20 frames per second,
  - [(1)] (2) based on the transmitted video-signals,
  - [(2)] (3) on one of the video display devices.
- 13. The method of claim 12, wherein the system includes

at least one audio source and

at least one audio reproduction device,

the method further comprising the steps of:

- (a) transporting audio signals,
  - (i) originating/at one of the audio sources;
  - (ii) over the UTP communication path; and
- (b) reproducing audio
  - (i) based on the transported audio signals
  - (ii) at one of the audio reproduction device.
- 14. The method of claim 13, further comprising the step of:
  - (a) switching the signals
    - (i) over the UTP communication path.

15. (Once Amended) The method of claim 13, wherein [the system includes]

- (a) [at least two of] each [the] video display device[s]
  - (i) [each] has [ving] an associated processor
  - (ii) to [each] define a workstation.



.7-78



the method further comprising the step of

- (iii) displaying images at a workstation.
- 17. The method of claim 15, further comprising the steps of:
  - (a) combining video images
    - (i) of at least a first/and a second user
    - (ii) into a mosaic image, and
  - (b) reproducing the mosaic image
    - (i) on at least one of the video display devices.
- 18. The method of claim 15, further comprising the steps of:
  - (a) allowing a first user
    - (i) to use a first graphical user interface
    - (ii) to select a user
    - (iii) from a plurality of users;
  - (b) allowing the first user
    - (i) to use a second graphical user interface
    - (ii) to select a collaboration type
    - (iii) from a group of collaboration types; and
  - (c) responding
    - (i) by establishing communication
    - (ii) of the selected collaboration type
    - (iii) from the first user to
    - (iv) the selected user.

- 19. The method of claim 15, further comprising the steps of:
  - (a) generating data conferencing signals
  - (b) transmitting the data conferencing signals
    - (i) over at least one data communication path
  - (c) displaying information,
    - (i) based on the transmitted data conferencing signals,
    - (ii) on at least one of the video display devices.
- 20. The method of claim 19, further comprising the steps of:
  - (a) reproducing images
    - (i) based on the video signals
    - (ii) in a first window on the display device, and
  - (b) displaying information
    - (i) based on the data conference signals
    - (ii) jh a second window on the display device.

21. (Once Amended) A video communication system

for operation with an infrastructure including

at least one analog video-signal source;

[at least one] a plurality of video display devices; and

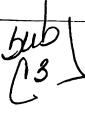
a computer network

including an unshielded twisted pair of wires

defining a UTP communication path, and

arranged for video signal transportation,

the system comprising:



A

(a) at least one [control] communication <u>control</u> component configured to, produce digital control-signals; and

wherein the system is configured to

- (i) multiplex
  - (1) analog video-signals,
    - a. originating at a video-signal source,
  - (2) with digital control-signals
    - a. from one of the [control] communication control



- (ii) transmit the multiplexed signals
  - (1) along the UTP communication path;
  - (2) to at least one of the video display devices; and
- (iii) use the control-signals to
  - (1) control reproduction of <u>color</u> video images,
    - a. at greater than 20 frames per second,
    - [a.] based on the video-signals,
    - [b.] <u>c.</u> one of the video display devices.
- 22. The video communication system of claim 21, wherein the infrastructure further includes at least one analog audio-signal source; and at least one audio reproduction device, and wherein the system is configured to
  - (i) multiplex
    - (1) the analog video-signals
    - (2) with the digital control signals, and
    - (3) with analog audio-signals

- originating at one of the audio-signal sources;
- (ii) transmit
  - **(1)** these multiplexed signals
  - along the UTP communication path; and **(2)**
- reproduce audio (iii)
  - **(1)** based on the audio-signals
  - at one of the audio reproduction devices. **(2)**

25. (Once Amended) The system of claim 22, wherein

- (a) [wherein] the control components are further configured to control
  - **(i)** a switch
  - (ii) to route the multiplexed signals
    - **(1)** along the UTP communication path.
- 24. The system of claim 23, wherein the system further comprises:
  - (a) at least one server
    - **(i)** configured to
      - control the switch.

13 25. (Once Amended) The system of claim 22, wherein [the infrastructure further includes:]

- [at least two] each video display device[s] (a)
  - (i) [each] has [ving] an associated processor
  - (ii) to each define a workstation, and

wherein the system is configured

to control the reproduction of video images and spoken audio (iii)

381392 v1/PA 86@801!.DOC

COLB-001/22US





- (1) of a first workstation user
- (2) at the workstation of a second workstation user.

27. (Once Amended) The system of claim [26] 25, wherein the system is configured

- (a) to combine video images
  - (i) of at least a first and a second user
  - (ii) into a mosaic image, and
- (b) to reproduce the mosaic image
  - (i) on at least one of the video display devices.

28. (Once Amended) The system of claim [26] 25, wherein the system is configured:

- (a) to allow a first user
  - (i) to use a first graphical user interface
  - (ii) to select a user
  - (iii) from a plurality of users; and
- (b) to allow the first user
  - (i) to use a second graphical user interface
  - (ii) to select a collaboration type
  - (iii) from a group of collaboration types; and
- (c) to respond
  - (i) by establishing communication
  - (ii) of the selected collaboration type
  - (iii) between the first user and
  - (iv) the selected user.
  - (v) the selected user

